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# CIRCULAR OF THE SCHOOL OF INDUSTRIAL ART OF THE PENNSYLVANIA MUSEUM

THIRTY-FOURTH SEASON

## ART DEPARTMENT

[SCHOOL OF APPLIED ART]

BROAD AND PINE STREETS

PHILADELPHIA

1910-1911

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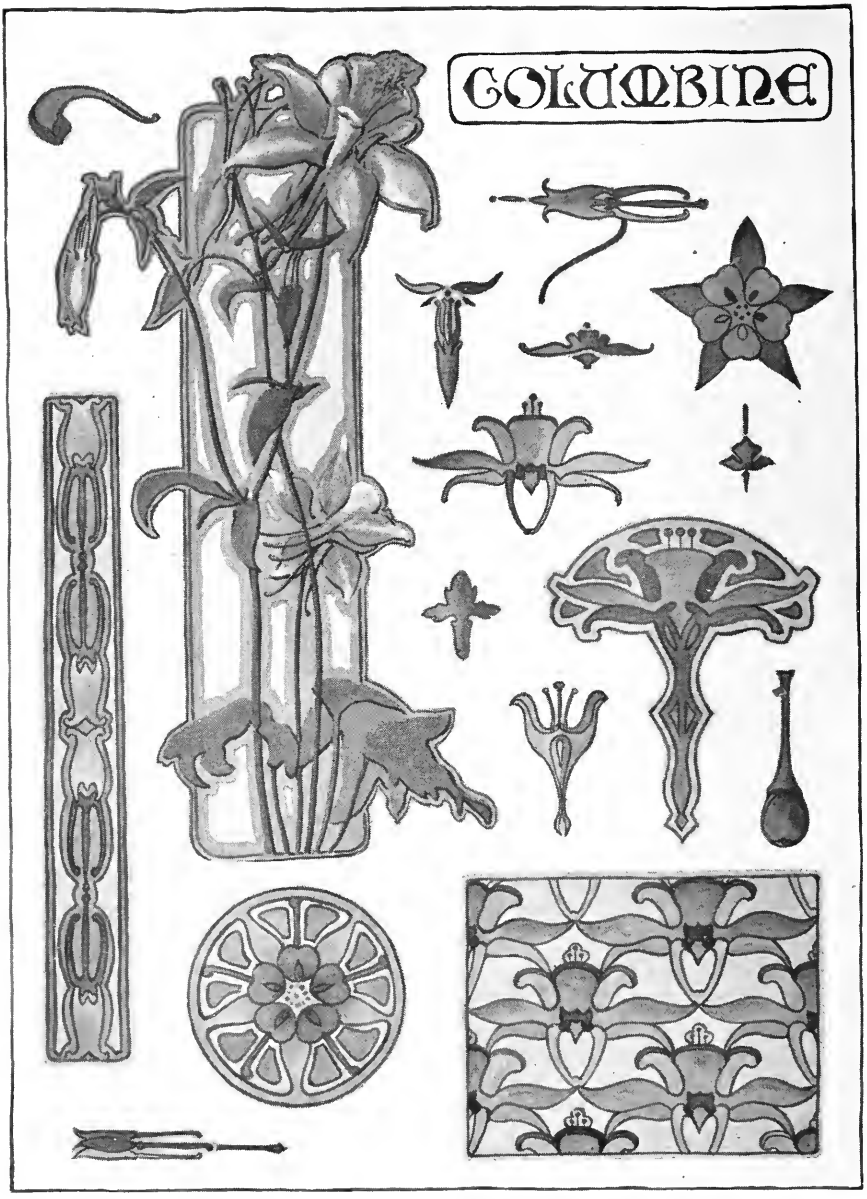



ANALYSIS OF PLANT, FOR PURPOSES OF DESIGN.

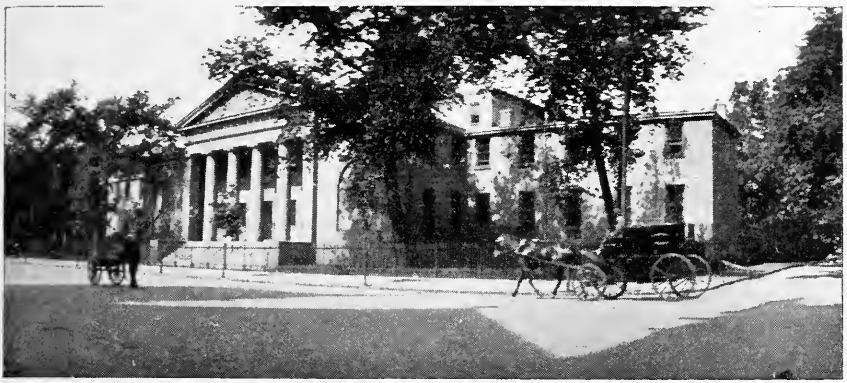
BY MARY HAZELTINE FEWSMITH, A PUPIL OF THE SCHOOL.

# SCHOOL OF INDUSTRIAL ART

OF THE

# PENNSYLVANIA MUSEUM

BROAD AND PINE STREETS PHILADELPHIA



# CIRCULAR

OF THE

# ART DEPARTMENT

## [SCHOOL OF APPLIED ART]

THIRTY-FOURTH SEASON

1910-1911

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The Circular of the Philadelphia Textile School may be had on application

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Mrs. Cornelius Stevenson, *Assistant Curator and Lecturer*

# Faculty

LESLIE W. MILLER, Principal. Lecturer on Art History, Principles of Design, and Methods of Instruction.

HOWARD FREMONT STRATTON, Director School of Applied Art.

HERMAN DEIGENDESCH, Instructor in Charge of Drawing from the Antique and Life.

CHARLES THOMAS SCOTT, Instructor in Charge of the Modeling and Structural Design Course.

HELEN AUGUSTA FOX, Instructor in Charge of the Surface Design Course; Color Harmony, Historic Ornament B.

J. FRANK COPELAND, Instructor in Charge of the Interior Decoration Course, and Water Color Painting.

MARY FRATZ ANDRADE, Instructor in Charge of the Illustration Course.

ALBERT WINSLOW BARKER, Instructor in Charge of the Industrial Drawing Course.

EDWARD T. BOGGS, Instructor in Charge of Architectural Drawing and Design.

MRS. CORNELIUS STEVENSON, Instructor in Charge of Curators' Course.

MARY PICKERING DOW, Instructor in Historic Ornament, Bookbinding and Leather Work.

LUDWIG E. FABER, Instructor in Drawing, Lecturer on Anatomy, and Processes in Illustrative Reproduction.

ISABELLA BRADLEY, Instructor in Drawing, Instructor in Charge Junior Classes.

IDA EVELYN MACFARLANE, Instructor in Design.

PHILIP MUHR, Instructor in Drawing from the Antique.

CLARENCE PRESTON ANDRADE, Instructor in Drawing, and the Elements of Design.

RICHARD B. DOUGHTY, Instructor in Instrumental Drawing.

BERTRAM SYDNEY CHADWICK, Instructor in Design Applied to Carpets, Rugs and Lace.

CHARLES B. DUNN, Instructor in Wood and Stone Carving, and Woodwork.

WETHERILL P. TROUT, Instructor in Building Construction.

LEON VOLKMAR, Instructor in Pottery.

KARL G. NACKE, Instructor in Repoussé, Metal Work, Chasing and Tool Making.

SAMUEL YELLIN, Instructor in Wrought Iron.

MAUD COAN JOSAPHARE, Instructor in Methods of Public School Art Education.

FRANK G. SPEAR, Instructor in Modelling, Evening Class. Monitor, Day Antique Class.

PERCY C. MILLER, Assistant to the Principal.

LEONORA J. C. BOECK, Registrar.

KATHARINE DEW. BERG, Librarian.

HELEN MURPHY, M.D., Oculist to the School.

## Advisory Committee

ALICE BARBER STEPHENS, Illustration.
HENRY THOURON, Composition.
JOHN J. BOYLE, Modeling.
EDGAR V. SEELER, Architecture.
FRANK MILES DAY, Architecture.
GUSTAV KETTERER, Interior Decoration.
WM. H. DEWAR, Furniture and Cabinet Work.
G. GERALD EVANS, Furniture.
H. D. ALLMAN, Wall Papers.
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J. L. KETTERLINUS, Commercial Lithographic Design.
EDWARD STERN, Commercial Illustration, Design and Printing.
FRANCES DARBY SWEENY, Stained Glass.
ROBERT W. LESLEY, Decorative Cement Work.

## Committee on Students' League House

Miss Lea, *Chairman.*

Miss Ewing
Miss Crozer
Mrs. Francis Milne
Mrs. Hipple
Mrs. Edwin S. Balch
Miss Clyde
Mrs. C. Shillard Smith
Mrs. J. L. Ketterlinus

# Calendar—School Year, 1910-1911

SEPTEMBER

Thursday, 29th—Examination for Admission to Day Classes.

OCTOBER

Monday, 3d—Sessions of Day Classes begin.
Wednesday, 5th, 7 P. M.—Registration of Students in Evening Classes.
Monday, 10th—Sessions of Evening Classes begin.
Saturday, 15th—Saturday Class begins. (Art School.)

NOVEMBER.

Thursday,
Friday,
Saturday,
} Thanksgiving Holidays. School closed.

DECEMBER.

Monday, 19th,
to
Saturday, 31st, inclusive.
} Christmas Holidays. School closed.

JANUARY.

Tuesday, 3d—School re-opens.

FEBRUARY

Wednesday, 22d—Washington's Birthday. School closed.

APRIL.

Good Friday
to
Easter Monday, inclusive,
} Easter Holidays. School closed.

Friday, 7th—Sessions of Evening School end.
Saturday, 15th—Sessions of Saturday Class end. (Art School.)

MAY.

Tuesday, 30th—Memorial Day. School closed.

JUNE.

Thursday, 1st—Annual Commencement and Exhibition.

MEDALS AWARDED
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GOLD MEDAL
LOUISIANA PURCHASE
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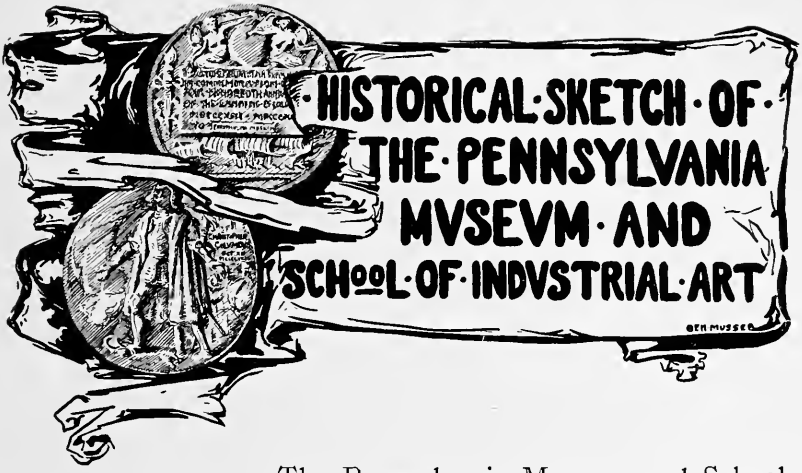



Origin and Purpose

The Pennsylvania Museum and School of Industrial Art, an institution the origin of which was due to the increased interest in art and art education awakened by the Centennial Exhibition, was incorporated on the twenty-sixth day of February, 1876, for the purpose, as stated in the charter, of establishing "for the State of Pennsylvania, in the City of Philadelphia, a Museum of Art in all its branches and technical applications, and with a special view to the development of the Art Industries of the State, to provide instruction in Drawing, Painting, Modeling, Designing, etc., through practical schools, special libraries, lectures and otherwise."

Location of Museum

The purpose of the institution as thus defined is distinctly industrial. The collections at Memorial Hall, in Fairmount Park, where the Museum is located, embrace examples of art work of every description. It was determined by the founders to make the collections of the Pennsylvania Museum as largely as possible illustrative of the application of art to industry, and the instruction in the school has had constant reference to a similar purpose.

Source of Original Collection

In the selection of objects, the trustees had the benefit of the advice of the foreign commissioners to the Exhibition, and, in several instances, the institution was the recipient of valuable gifts from individual exhibitors.

Around the nucleus thus formed, the Museum has grown by purchase, gift and bequest to its present proportions, numbering in its collections upwards of thirty thousand objects.

Recent Additions

The Museum possesses several special collections, sufficiently complete in themselves to be regarded as representative of the departments to which they belong. Of these the collection of American pottery, made by Mr. Edwin A. Barber; the collections of coins and medals; the collections of Etruscan and Greco-Roman Pottery; the John T. Morris collection of glass; a collection of mediæval wrought iron and the collection of textiles, are perhaps the most important.

Loan Collections

In addition to its actual possessions, the Museum is constantly receiving accessions in the form of loans of a more or less permanent character, by which the element of freshness is secured, and popular interest in the collections continually renewed. The Museum is visited by about 500,000 persons a year.

Opening of the School

The School was opened during the winter of 1877-78, in temporary quarters, at Broad and Vine Streets, in the building since known as Industrial Hall. It was removed in 1879 to the rooms of the Franklin Institute, at 15 South Seventh Street, and again, in 1880, to the building 1709 Chestnut Street, where it remained until its removal, in 1884, to 1336 Spring Garden Street.

Location of School

The munificent gift of $100,000, by Mr. Wm. Weightman, and the generous response of the public of Philadelphia to an appeal for assistance, by which a like amount was raised by popular subscriptions during the spring of 1893, enabled the institution to acquire the magnificent property at the northwest corner of Broad and Pine Streets, which it occupies at present. This property, with a front of 200 feet on Broad Street and 400 feet on Pine Street, is by far the most

spacious and most advantageous in its location of any establishment in America that is devoted to the uses of a school of art, situated as it is on the principal street and in the very heart of the city.

First Courses of Study General Only

Up to the time of the removal to Spring Garden Street, the work of the classes was confined to the general courses in Drawing, Painting and Modeling, with constant regards to the needs of the industries, it is true, but without attempting to provide instruction in any of the occupations themselves.

The necessity of affording facilities for such technical instruction, however, became apparent very early in the history of the School. It was seen that only by familiarizing the students with the processes and industrial applications of design could the proper direction be given to such purely artistic training as the School had to offer.

Additions to the Curriculum

Additions to the Curriculum have been made from time to time, until the present organization of the school is as follows:

1. School of Applied Art, comprising courses and classes in:

Drawing,
Applied Design,
Normal Art Instruction,
Wood work and Carving,
Decorative Painting,
Illustration,
Decorative Modeling,
Architectural Drawing and Design,
Book Binding,
Metal Work,
Pottery.

2. Philadelphia Textile School, comprising the departments of:—

Fabric Structure and Design,

Cotton, Wool, Worsted and Silk,
Warp Preparation and Weaving,
Color Harmony and Figured Design,
Chemistry, Dyeing and Printing,
Wool Yarn Manufacture,
Worsted Yarn Manufacture,
Cotton Yarn Manufacture,
Hosiery Knitting,
Finishing.

Hours of Study Day Classes

The hours of study for the day classes are from 9 o'clock until 12 M., and from 1 to 4 every day in the week except Saturday. The Women's Life Class is open on Monday, Wednesday and Friday afternoons from 1 until 4, and the Men's Day Life Class on the mornings of those days from 9 to 12.

Evening Classes

Evening Classes in Freehand Drawing, in Decorative Painting, in Modeling and Carving, in Applied Design and in Illustration, are in session, from October 3d until April 7th, on Monday, Wednesday and Friday, from 7.30 until 9.30 o'clock. The Men's Life Class and the Class in Architectural Drawing and Design are open on Monday, Wednesday and Friday evenings, from 7 until 10 o'clock.

Saturday Classes

For the benefit of that very large class of persons who are unable to attend during the hours usually devoted to study, classes will be in session every Saturday from 9 until 12 o'clock, from October 15th until April 15th (the Saturdays following Thanksgiving, Christmas and Good Friday excepted). The course of study embraces all branches of art as pursued in the regular day classes of the institution, with the addition of a course of lectures on Methods of Teaching, Art History, etc., which is given by the Principal.

Advice to New Students

The Director and his assistants will be in attendance to explain the course and advise intending pupils on and after Monday, September 19th, and students are urged to register

and arrange all preliminaries a few days before the actual opening of the school. A committee of members of the Alumni Association will be at the school to assist any of the new pupils, who may desire suggestions, in making their arrangements for board, etc., and to introduce them to the various organizations designed for the benefit of the members of the school.

**Requirements for Admission**

Applicants for admission to any of the Day Classes, except the Junior Class, are expected to be as proficient in the common English branches as the completion of the ordinary grammar school course would imply. The entrance examination consists of an exercise in English composition, and drawing in pencil or charcoal from models and simple casts of ornament.

**Free Scholarships Provided by State**

In consideration of an annual appropriation to the school by the Legislature of Pennsylvania, each county of the State is entitled to at least one free scholarship in any regular course of the school for four years. Counties sending more than one Senator to the Legislature are entitled to as many scholarships as there are senatorial districts. These appointments are made by the Governor of the State, usually on the recommendation of members of the State Legislature.

**City Scholarships**

Generous provision for free instruction in this institution is also made by the Board of Public Education of the City of Philadelphia. Pupils of all the High and Manual Training Schools, as well as of the Normal School and of the Public Industrial Art School, are eligible for these appointments, which are made by the Board of Education on the recommendation of the Principals of the several schools, to whom all applications for them should be addressed. In addition to these direct appointments a certain number of scholarships are awarded annually by the Board on the basis of results obtained in a competitive examination among the members of the graduating classes of the grammar schools.

This examination is held at the School of Industrial Art on the last Thursday in May of each year, and all Principals of grammar schools are authorized to certify to the Superintendent of Schools, as eligible for the competition any pupils who have developed a special aptitude for the branches pursued here.

Other Scholarships

A certain number of free scholarships, which are granted annually, have also been provided by the bequests of Mr. Joseph E. Temple, Mr. Joseph F. Sinnott, and Mr. Robert P. De Silver, by the Elizabeth Duane Gillespie Memorial Fund, and by gifts for this purpose by Mrs. Susan R. Barton, Mrs. William Weightman, Jr., Mrs. Chapman Biddle, Mrs. Frederic W. W. Graham, Mrs. John Harrison, Miss Fannie S. Magee, Mr. William Keehmle Ramborger, and Miss Mary A. Dobbins, and by Miss Mary Williams and Mrs. Walter R. Stenger. These are all awarded as prizes for meritorious work by students who have already spent at least one year in the school, with the exception of a few that are placed at the disposal of the Associate Committee of Women.

Tenure of Scholarships

Any of the above scholarships are subject to recall at any time if, in the judgment of the Principal, the progress of the holder is unsatisfactory.

Warning and Dismissal

A scholarship holder who fails to attend regularly or to do the work of his class receives notice to this effect, and is warned that unless a marked improvement is shown at once the scholarship will be declared vacant. He is usually given one month after the date of such notice in which to show that the warning has been heeded and has produced the desired effect. If however, at the expiration of this time his progress still continues to be unsatisfactory, he is notified that the scholarship has been forfeited.

Holders of scholarships who fail to complete the work of Class A (Industrial Drawing), in two years are ineligible for a renewal of their scholarships. Scholarships are not awarded for partial courses.

Materials for Study

Instruments and materials for study must be provided by the students. All articles required in any class are for sale at the school at less than retail prices, and the students are expected to purchase them here.

Lockers

Each student is provided with a locker in which drawing boards and materials are to be kept. On receiving the key the student must deposit $1 (or $2 for the larger lockers, in which wraps, etc., can also be kept) of which sum 50 cents is refunded when the key is returned, provided the return is made within one month after the date on which his term expires, otherwise the deposit is forfeited.

Board

Good board may be obtained in the vicinity of the school for $4.50 a week and upward. The school assumes no responsibility in connection with this part of a student's career.

Under the auspices of the Associate Committee of Women a boarding home for the girl students of the School, called the Students' League House, is conducted at 1309 South Broad Street. Applications for rooms can be made to Miss Lea, Chairman, 2000 Walnut Street, Philadelphia, during the spring and summer months.

Competitions

Competitions in design are announced from time to time, and all candidates for school honors are required to enter such competitions as are announced in their departments. Premiated work becomes the property of the school. The results are treated in precisely the same way as those obtained by the formal examinations, and the pupil's standing is made to depend upon them to quite as great an extent. No certificate or diploma is granted to any student who does not obtain a creditable rating in these competitions.

Discipline

The discipline of the school is made as simple as possible, and students are made to feel that, as the requirements are definitely stated and the

instruction in each branch is given at well-known hours, the progress of each is substantially in his own hands.

Pupils are not to receive either telephone messages or mail at the School, and when desiring to bring visitors into the class rooms they are expected to notify the teachers in charge. The special rules are posted in various parts of the building.

**Punctuality and Regularity of Attendance**

All students are expected to be prompt and regular in their attendance on all the exercises and lectures of their course, and irregularity in this respect or failure to do the work required will be regarded as sufficient reason for dismissal.

**Instructors' Hours**

Schedules showing the arrangement of classes and the hours to be given by the instructors to each are posted in the class rooms. Students must observe these schedules, and may not claim the teachers' attention at other times, or expect admission to the class-rooms except at the specified periods.

**Penalties for Unsatisfactory Progress or Conduct**

Polite and orderly conduct is also insisted upon at all times. When a pupil's conduct or progress is unsatisfactory, and the friendly admonitions of his instructors fail to produce the desired effect, a written report is made to the Principal, and the student receives from him a statement of the nature of his offense and a kind but firm reproof. Should his conduct be made the subject of a second complaint, the pupil may be suspended for a period of two weeks, and in the case of a third unfavorable report from his instructors he may be dismissed from the school.

**School Property**

Any damage to school property must be made good by the student causing it. No book, chart or other educational appliance is allowed to leave the building under any circumstances.

**All work to be put away**

All work must be put away before the student leaves the building. Lost articles may be inquired for of the janitor. Students are requested to give prompt notice of change of address.

**Employment for Graduates**

The Alumni Association of the School has established a Business Bureau for the development of opportunities for employment and the disposal of designs and work of members and pupils of the school.

Opportunities are frequently given for the publication of drawings and designs by students, so that most valuable experience in the practical work of illustration may be had while the regular studies are being pursued.

**Courses of Study**

The school offers five courses, each leading to the Diploma, viz: Regular Course, Normal Art Course, Interior Decoration Course, Applied Design Course, Illustration Course.

The time required for the completion of any of these courses depends entirely upon the diligence and proficiency of the student. By those who bring to the work good abilities and a fairly adequate preparation, either course is usually completed in four years.

**The Regular Course**

The Regular Course includes the work of the course in Industrial Drawing (Class A), the course in Applied Design (Class B), and the course in Modeling and Constructive Design (Class C).

**The Normal Art Course**

The Normal Art Course includes the work of the course in Industrial Drawing (Class A) or its equivalent, and such portions of those in Water-Color Painting, Interior Decoration, Applied Design, and Modeling and Constructive Design, as are necessary to such mastery of these subjects as is required by teachers and supervisors of Drawing and Manual Training in the best schools and school systems in the country.

After completing the work of Class A the course is largely elective, but must include the attainment of a satisfactory record in advanced Drawing from the antique and from life, the History of Art and Ornament, Principles of Color Harmony, Blackboard Drawing, Theory and Practice of Teaching, and Shop Practice.

The School does not provide instruction in the ordinary English branches, but ability to speak and write the English language intelligently and correctly is insisted upon as a necessary condition of graduation.

Course in Interior Decoration

The Course in Interior Decoration includes Drawing from the Antique and from Life. Painting from Flowers and Still Life; Historic Ornament: Mediæval, Renaissance and Modern Styles; Color Harmony, theory and practice; interiors in plan, elevation, and perspective; Modeling; Original Designs and Working Drawings for the general treatment of Interior Architecture and for the details of construction, decoration, and furnishing, on which its effect depends.

Course in Surface Design

The Course in Surface Design is arranged on lines similar to those adopted for the course in Interior Decoration, but with a somewhat different emphasis on original design, as applied to stenciled, printed or painted decoration; to the designing of carpets, rugs, upholstery goods, wall papers, oil cloths, lace, embroidery, chintzes, silks, cretonnes and other prints; leather tooling and leather work, repoussé metal work, mosaic, stained glass, etc.

Course in Illustration

In addition to constant practice in drawing from the Antique and Life, the Course in Illustration includes work from the Costumed Model; Studies of Historic Costume; Perspective and Composition; Decorative Lettering; and original design as related to vignettes, book plates, etc. Compositions upon given themes are required from all members, and special attention is paid to the designing of such forms of commercial illustrations as calendars, title pages, posters, etc., as well as to book and magazine illustration.

Course for Curators

The Course for Curators is designed to meet the growing demands for trained curators in museums, universities, etc., where the care, arrangement, and identification of collections of objects are required at the hands of skilled cus-

todians; and deals with the problems of administration incident to the work.

**Preparatory Course**

For the benefit of students under sixteen and of others who are not sufficiently advanced to enter either of the regular courses, a preparatory course is provided, in which the instruction, while it covers substantially the same ground as that of the regular classes in Drawing and Modeling, is more elementary in character. Promotion from this class to Class A or any of the more advanced classes is made by means of monthly tests.

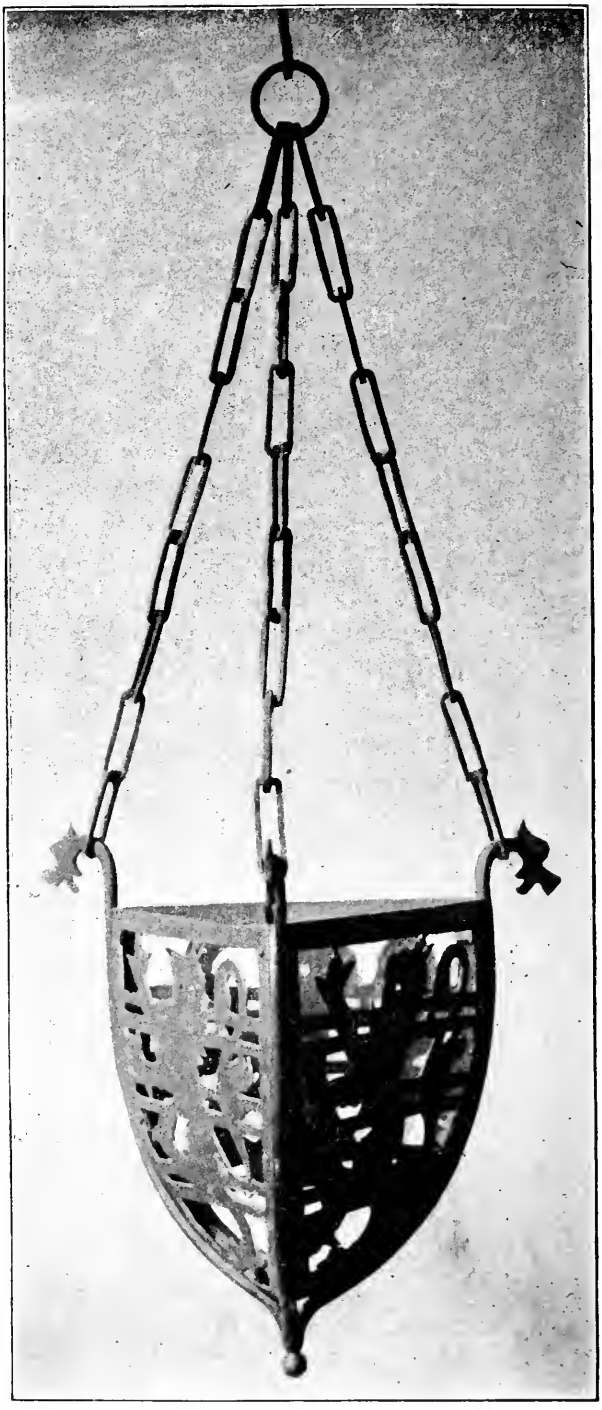
**Lectures**

Class instruction in the Geometrical branches is given every Tuesday, and lectures on Original Design, on Art History and similar subjects are given by the Principal on Mondays, from 11 to 12. All students in Class A are expected to attend these lectures.

Lectures on Color Harmony, Illustrative Processes, and on Anatomy are given at such times as can be most conveniently arranged.

Occasionally lectures on miscellaneous subjects are given throughout the year.

Opportunities are afforded for visiting and studying under the direction of an instructor, at Memorial Hall, at the Academy of Natural Sciences, at the Philadelphia Museums and at the Museums and Library of the University, as well as at the Zoological Garden. The studies in Historical Ornament, are, indeed required to be made from objects in the different museums whenever this is practicable.



LANTERN IN WROUGHT IRON.
DESIGNED AND EXECUTED BY STUDENTS.

# Subjects of Study—Day Classes

## Course in Industrial Drawing (Class A)

Albert Winslow Barker, Instructor in Charge: Free-hand Perspective, and Ornament Drawing; Lettering.
Mary Pickering Dow, Historic Ornament.
Clarence Preston Andrade, Drawing, and the Elements of Design.
Philip Muhr, Drawing from the Antique.
Robert M. Doughty, Instrumental Drawing.

The subjects in this course are: model drawing; drawing from casts of ornament, animals, and the human figure; plants, furniture, and objects of industrial art at the Museum.

Historic Ornament, (Egyptian, Greek, Roman, Romanesque, Byzantine and Saracenic), and the analysis of plants and flowers for purposes of original design as applied to flat and curved surfaces; lettering; and drawing from memory. Instrumental drawing, including exercises with instruments, plane geometry, geometric design, scale drawing, perspective, shades and shadows.

The examinations are: free-hand drawing from casts and models (monthly time drawing); a written paper on historic ornament; instrumental drawing: plane geometry, perspective, projection, and shadows.

Pupils in this class attend lectures once a week on instrumental drawing, perspective, etc.; and once a week on the principles of design, on historic ornament, or some other subject related to the work of the class room, given by the Principal, who will also direct the reading and research made by the pupils in the school library.

The work is planned for the satisfactory completion of the course in one year, but the time depends entirely on the proficiency of the individual student. Full credit is given for any work of similar grade that may have been done elsewhere.

## Course in Surface Design and Color (Class B)

Helen Augusta Fox, Instructor in Charge: General Design, and Historic Ornament.

Herman Deigendesch, Instructor in Charge of Drawing from Antique and Life.

Ludwig E. Faber, Drawing from the Antique.

Ida Evelyn Macfarlane, General Design.

J. Frank Copeland, Color.

Bertram Sydney Chadwick, Carpets, Rugs, and Lace.

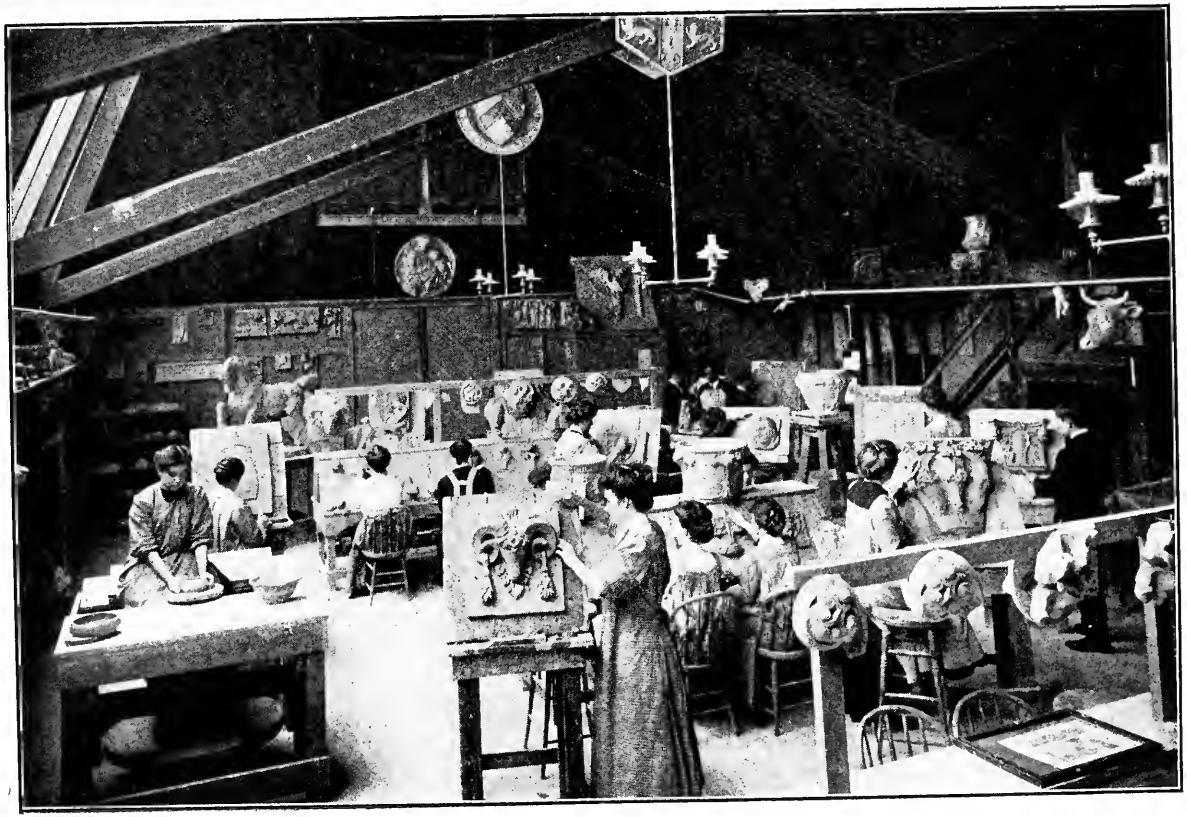
The subjects in this course are: the study and analysis of historic ornament, (Byzantine, Romanesque, Saracenic, Gothic, Renaissance, and modern styles) and plants and flowers from nature, for decorative application in original designs for stencils, curtains, carpets, rugs, oilcloth, linoleum, lace, embroidery, chintzes, silks, cretonnes and other prints; stained glass, mosaics, and leather work.

Pupils in this class attend lectures on the following subjects, on which examinations for the certificate are based: harmony of color, historic ornament, and principles of decorative design.

The work of the class room is supplemented by study in the school library under the direction of the teachers, and visits to industrial establishments in the neighborhood, accounts of these visits being expected from every pupil.

The course described above usually requires two years for its satisfactory completion. To be admitted to this class, students must already have completed the work of Class A, or its equivalent.

ORIGINAL DESIGN FOR STENCIL.
BY FRANCES N. MCALEER, A PUPIL OF THE SCHOOL.



MODELING ROOM.

## Course in Modeling, and Constructive Design (Class C)

CHARLES THOMAS SCOTT, Instructor in Charge.
HERMAN DEIGENDESCH, Instructor in Charge of Drawing from the Antique and Life.
CHARLES B. DUNN, Instructor in Wood Work and Carving.
LEON VOLKMAR, Instructor in Pottery.

The students model in different degrees of relief, and in the round, ornament of various styles, details of the human figure and animals, from casts, prints and photographs. Original designs in clay, wax and plaster, for terra cotta ornament and pottery, etc., are carried out in cement, in cast and wrought metal, wood and stone carving, etc.; and some decorative application to an important subject, such as a foundation, or wall panel, is made the final problem for the completion of the course.

The designing and execution of furniture and mosaic are essential parts of the course, and the pupils attend lectures on anatomy, historic ornament, and principles of design, on which examinations for the certificate are based.

GARDEN VASE IN CEMENT.
DESIGNED AND EXECUTED BY MALIN C. NORDLUND, A PUPIL OF THE SCHOOL.

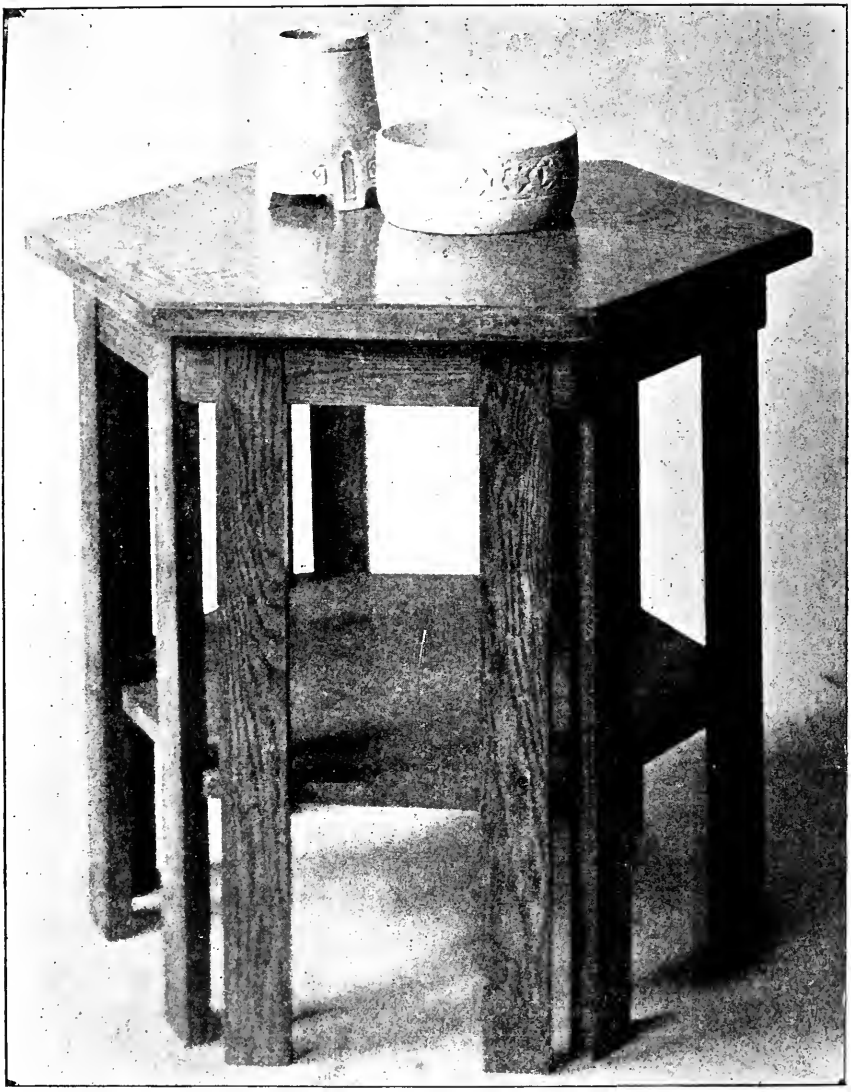
# Normal Art Course

HOWARD FREMONT STRATTON, Instructor in Charge.
HERMAN DEIGENDESCH, Drawing from Antique and Life.
LUDWIG E. FABER, Anatomy.
J. FRANK COPELAND, Color.
CHAS. T. SCOTT, Modeling and Constructive Design.
CHAS. B. DUNN, Woodwork and Carving.
MARY PICKERING DOW, Leather Work.
CLARENCE PRESTON ANDRADE, Metal Work.
IDA EVELYN MACFARLANE, Black-board Drawing and Methods of Teaching.
HELEN AUGUSTA FOX, Surface Design.
ISABELLE BRADLEY, Wash and Brush Work.

This course includes the work of the course in industrial drawing (Class A), or its equivalent, followed by a course in surface design and color; a course in constructive design, modeling, metal, leather, and wood work; and by a course in advanced drawing from the antique and life; pose, and blackboard sketching; the history of art and ornament; and the theory and practice of teaching.

Ability to speak and write the English language correctly and intelligently is required as a necessary condition of admission.

Pupils attend lectures on harmony of color; historic art and ornament; anatomy; the principles of design; and methods of teaching, and in connection with these subjects study in the school library under the direction of the teacher.



HEXAGONAL TABLE.
BY JOHN HARRISON, JR.
POTTERY BY MARGARET TITUS AND LUIGI MARAFFI,
PUPILS OF THE SCHOOL.

## Course in Interior Decoration

J. Frank Copeland, Instructor in Charge.

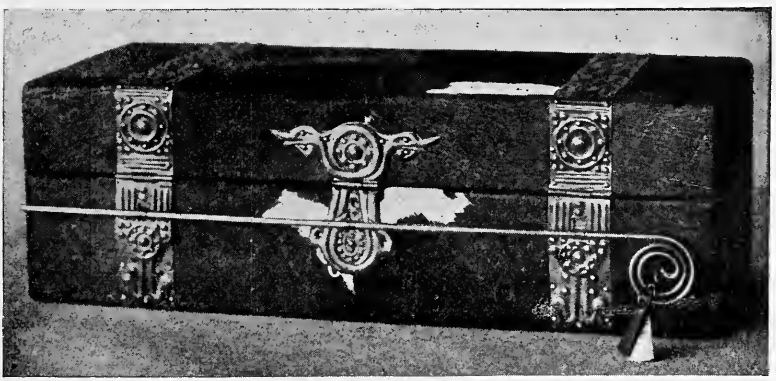
Charles Thomas Scott, Instructor in Modeling and Furniture Design.

Charles B. Dunn, Instructor in Furniture Detail Drawing.

Herman Deigendesch, Instructor in Charge of Drawing from the Antique and Life.

The subjects studied in this course are: Historic ornament and its application to original schemes for interior decoration; harmony and contrast of color; modeling of ornament; water color rendering; original designs and working drawings for furniture, woodwork, hangings, mosaic, stained glass, and stencils, drawing from the antique and life, and library research under the direction of the teachers; the application of studies from nature to practical uses, and the constant consideration of the principles of decorative fitness.

The time required for the completion of the work of this course depends entirely on the diligence and proficiency of the student; but those who have already taken the work of Class A or its equivalent are expected to complete the work of the interior decoration certificate course in two additional years; the diploma course in three years.



JEWEL BOX DESIGNED AND EXECUTED BY A PUPIL OF THE SCHOOL.

## Course in Illustration

Mary Fratz Andrade, Instructor in Charge.

Herman Deigendesch, Instructor in Charge of Drawing from Life and Antique.

Ludwig E. Faber, Instructor in Drawing and Anatomy.

Chas. T. Scott, Instructor in Modeling.

J. Frank Copeland, Instructor in Water Color Rendering.

Richard B. Doughty, Instructor in Perspective.

This course includes study in drawing and painting from casts of the antique, the living model, still life, drapery, furniture and interiors, flowers and foliage; mechanical and free-hand perspective; decorative lettering, anatomy; and original composition for book plates, head and tail pieces, initial letters, titles, posters, and general decorative illustration—in which the student is constantly exercised.

One morning a week is given to the study of historic costume, of various periods: Egyptian, Greek, Mediaeval, Colonial, etc., from plates and books, from examples in the School and Museum, and elsewhere, and from the posed model, in connection with which compositions are required from the pupils, in various mediums. Members of the advanced section study modeling of the figure twice a week.

Pupils entered for the course in illustration will be under the general direction of the instructor in charge, who will arrange their regular programs for class work with the various teachers; and assign subjects of study in the school library, themes for composition, and outside study, and conduct the various prize competitions held through the year, in which the members of the class are required to take part.

The time required for the completion of the work of this course depends entirely on the diligence and proficiency of the student; but those who have already taken the work of Class A or its equivalent, are expected to complete the work of the illustration certificate course in two additional years; the diploma course in three years.

## Course for the Training of Curators

MRS. CORNELIUS STEVENSON, Sc.D., Instructor in Charge.

This course comprehends, during the first season, the study of the history of museums; the functions of the modern museum, whether art, industrial, scientific, local, historical, or special. The choice of the dominant idea for a museum, and the requirements and equipment of the building. The installation, classification, labeling, and nature of collections and their treatment. The diseases of objects and their remedies. The art of collecting. The library. The administration.

The second season extends the study to the evolution and variation of decorative forms and designs with a view to the identification of objects, including Egyptian, Babylonian, Etruscan, Apulian, Aegean, Greek and Roman designs and forms and their derivatives down to modern times. The history of glazes and glass. Imitations and restorations, and their detection. Practical work in the Museum at Memorial Hall is a requirement of this division.

This course covers two years. On its satisfactory completion and upon examination, a certificate is awarded.

CARVED CHEST.
DESIGNED AND EXECUTED BY CLAUDIUS B. MERVINE, A PUPIL OF THE SCHOOL.

## Course in Book Binding and Leather Work

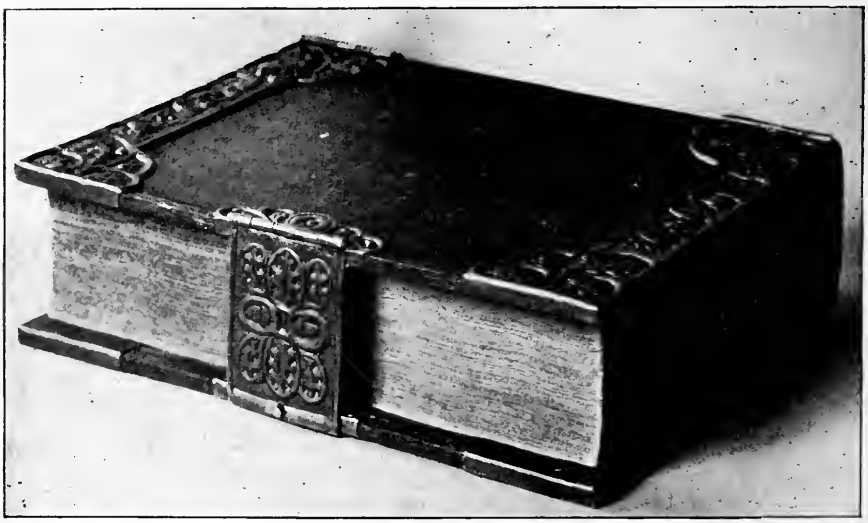
MARY PICKERING DOW, Instructor in Charge.

Instructor's hours:—Tuesdays, from 9 to 12 A. M., and 1 to 4 P. M.
Thursdays, from 9 to 12 A. M., and 1 to 4 P. M.

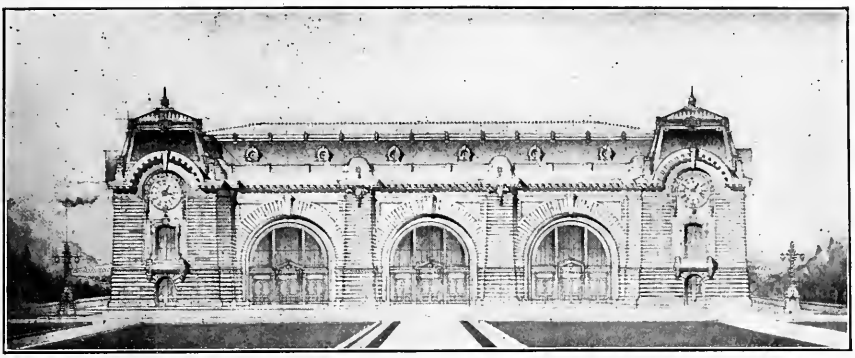
The pupils also have the privilege of working in the class room Mondays, Wednesdays and Fridays, from 9 to 12 A. M., and 1 to 4 P. M.

The course includes sewing, forwarding, and finishing library bindings; case books with stiff boards and with flexible boards; books with laced-in boards, half leather and full leather; blind tooling; portfolios, wall and furniture panels from original designs.

The study of books and bindings in the school and other libraries is a part of the work to familiarize the pupils with good examples of the craft.



BINDING IN LEATHER AND METAL.
DESIGNED AND EXECUTED IN THE SCHOOL.



ORIGINAL DESIGN FOR A RAILROAD STATION
BY LEWIS DORSEY, A PUPIL OF THE SCHOOL. AWARDED THE FREDERIC GRAFF PRIZE.

## Course in Architectural Drawing and Design

EDWARD THOMPSON BOGGS, Instructor in Charge.

Monday, Wednesday and Friday evenings, from 7 to 10 o'clock.

The subjects studied in this course are: instrumental drawing; the orders of architecture after Vignola and from the Greek; shades and shadows; wash drawings; elements of design; order problems in competitions; criticism in design; academic rendering of shades and shadows; planning; perspective; architectural design in different "periods;" detail drawing; properties of building materials.

The competitive work of the pupils of the architectural drawing class is judged by a committee of architects, who also give lectures before the students, from time to time, on related subjects.

Students who are able to supplement their work by study in the day classes have special water color, and pen and ink rendering; the modeling of architectural subjects; lectures, and study of historic ornament.

A certificate is awarded upon the satisfactory completion of the course.

## Course in Building Construction

WETHERILL P. TROUT, Instructor in Charge.

Monday, Wednesday and Friday evenings, from 7 to 10 o'clock.

This course is for young men intending to become builders, head carpenters, mechanics, etc. The studies include details of house and general building construction in all its parts; making of and familiarity with architects' plans, elevations, and specifications; figuring and estimating; plumbing, heating, and ventilation.

GROUP OF POTTERY.
DESIGNED AND EXECUTED BY PUPILS.

# Classes in Metal-Work

KARL G. NACKE, Instructor in Tracing, Repoussè, and Chasing on copper and brass.

CLARENCE PRESTON ANDRADE, Instructor of Normal Students.

SAMUEL YELLIN, Instructor in Wrought Iron and Forging.

Instruction is given in the use of the different metals, the making of tools, and the execution of practical work, such as bowls, plates, candlesticks, cups, jewel caskets, buckles, clasps, trays and heraldic mounts, lamp stands and shades, grilles, weather vanes, hinges, doorplates, lanterns, brackets, etc., from original designs.

RECORD BOX WITH METAL ENRICHMENTS,
DESIGNED AND EXECUTED BY FRANK GARRETT SPEAR,
A PUPIL OF THE SCHOOL.

## Class in Pottery

LEON VOLKMAR, Instructor in Charge.

CHARLES THOMAS SCOTT, Instructor in Design and Decoration.

The pupils study the preparation and qualities of clays and colored bodies, with especial reference to the production of artistic forms, and decoration in relief or intaglio; the construction of pottery, either built-up or turned; and the execution and firing of the finished work from their original designs, for garden vases, tiles, jardineres, decorative tablets, etc.

For the use of this department, a special building has been constructed, with complete equipment, including a practical kiln.

The large collections of the Museum are studied in relation to the development of pottery in different periods and countries.

POTTERY DESIGNED AND EXECUTED BY PUPILS OF THE SCHOOL.

## Class in Wood-work and Carving

CHARLES B. DUNN, Instructor in Charge.

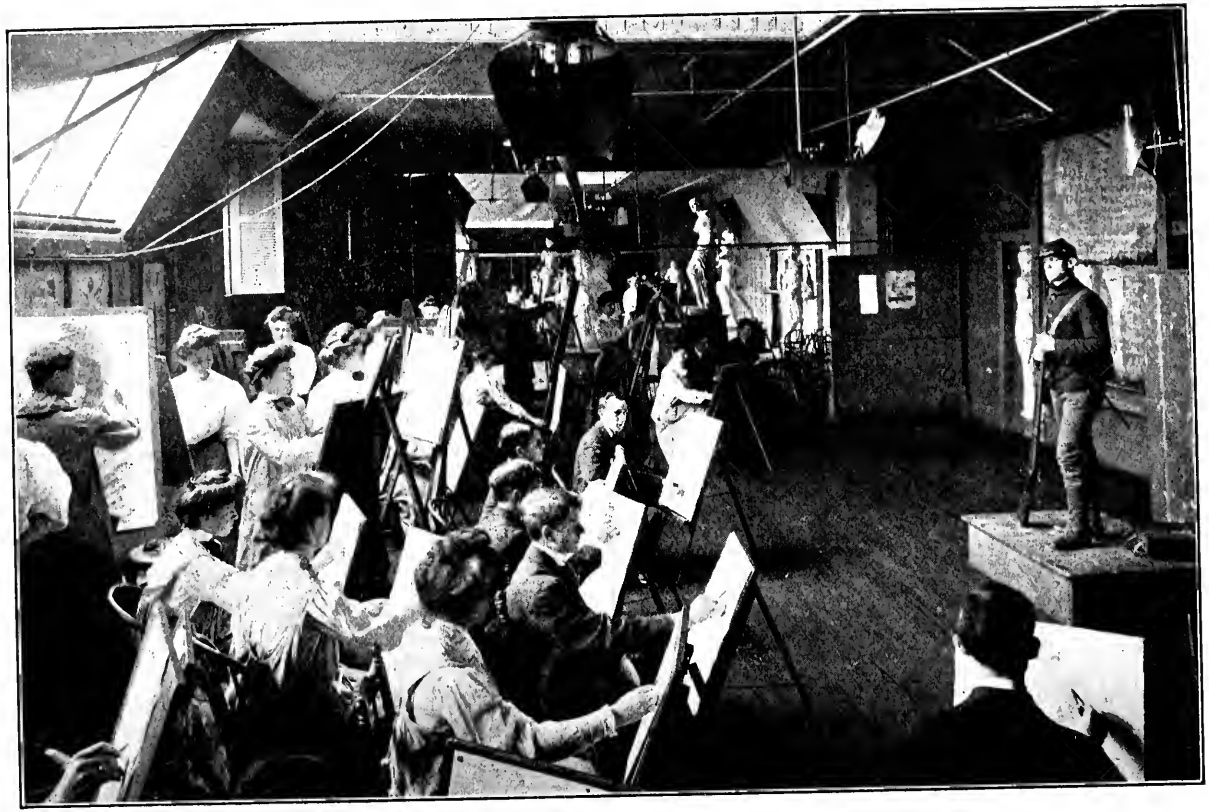
In session:—Daily, except Tuesdays, from 9 to 12 A. M., and 1 to 4 P. M.
Wednesday and Friday evenings, from 7.30 to 9.30 o'clock.

CHARLES THOMAS SCOTT, Instructor in Design.

The pupils in this class study the selection, use and care of tools; the character and grain of woods, and of the construction of mouldings, involving various cuts; the designing, execution and construction of original furniture, and the carving of the enrichments.

A special class in wood-working, joinery and carving, with relation to the classes in general schools, will be conducted on Saturday afternoons, beginning October 13th, and closing April 15th. Hours, 1 to 4. Terms, $10 for the season, or $2 a month.

GOTHIC ALMS BOX.
DESIGNED AND EXECUTED BY WILLIAM BROOKE SMITH, A PUPIL OF THE SCHOOL.



COSTUME SKETCH CLASS.

## Antique and Life Classes

Herman Deigendesch, Instructor in Charge.

Ludwig E. Faber, Philip Muhr, Assistants.

The life classes are for the study of the figure from the living model by students who are sufficiently advanced to profitably pursue such study.

The men's life class is in session Monday, Wednesday and Friday mornings, from 9 until 12 o'clock, and on Monday, Wednesday and Friday evenings, from 7 until 10 o'clock.

The women's life class meets on Monday, Wednesday and Friday afternoons, from 1 to 4 o'clock.

Regular work from the antique is continuous. Students are expected to devote at least four half days a week to drawing from the antique or from life, and a creditable rating in this branch must be obtained as a necessary condition of continuing in any one of the regular courses in the School of Applied Art, except that in the case of Class A the amount of time available for this work is three half days a week.

## Junior Class

ISABELLA BRADLEY, Instructor in Charge.

A children's class for instruction in drawing, painting and modeling, meets on Saturday mornings.

The object of the class is to extend the opportunities afforded by the school to younger students who may be interested in these subjects, but are occupied during the greater part of their time with other studies of a general character.

Particular attention is given to modeling in clay and wax, and to color sketching.

The hours of the class are from 9 to 12 o'clock.

SUBJECTS OF STUDY.

*Drawing*—Sketching in pencil of familiar objects; good examples of proportion and perspective, and the principles of light and shade. Elementary design.

*Painting*—Flowers, leaves, and fruit from nature; models, casts and familiar objects. Elementary original composition. Stencils.

*Modeling*—Fruit, vegetable forms and leaves, from casts and nature; animals from the cast and prints. Elementary original composition. Pottery.

## Saturday Class

Classes are in session every Saturday, from 9 until 12 o'clock, from the middle of October until the middle of April (the Saturdays following Thanksgiving, Christmas and Good Friday excepted).

The course of study embraces all branches of art as pursued in the regular classes of the institution, but as it is attended mainly by teachers, the work has special reference to their work, and the Principal delivers a weekly lecture on methods of instruction before this class throughout the year.

A section of the subject: Methods and technic of Public School Art Education is under the instruction of Maud Coan Josaphare, Assistant Director of Drawing in the Philadelphia Public Schools.

## Class in Water Color Painting

J. Frank Copeland, Instructor in Charge.

The pupils in this class study from groups of still life, flowers and draperies; from interiors; and at stated times work under the instructor's direction at the Museum in Memorial Hall, and out of doors.

Decorative applications are made of the studies, as far as possible.

# Subjects of Study—Evening Classes

For those who are unable to avail themselves of the Day Classes, the School provides instruction on Monday, Wednesday and Friday evenings, from 7.30 to 9.30 o'clock (except the Life and Architectural Classes, which are in session from 7 to 10). The time devoted to the work of the evening classes is necessarily limited, but the School aims, as far as possible in the given time, to cover in evening classes the field of the following courses of the Day Classes:—

Class A (see page 21.)

" B (see page 22.)

" C (see page 24.)

Water Color Painting (see page 39.)

Life Class (see page 37.)

Illustration Class (see page 28.)

Interior Decoration Class (see page 27.)

Metal Work (see page 33.)

# CERTIFICATES AND DIPLOMAS

A certificate is awarded on the satisfactory completion of the course in Industrial Drawing.

Pupils who, having received this certificate, satisfactorily complete the Regular Course, or the full course in either Normal Art Instruction, Design, Interior Decoration, or Illustration, receive the diploma of the School.

Students may be admitted on examination to any of the following courses, and on the satisfactory completion of the prescribed work a special certificate will be awarded:—

Interior Decoration.
Illustration.
Surface Design.
Constructive Design and Modeling.
Curatorship.
Architectural Drawing (evening).

All works executed by pupils are regarded strictly as exercises, not results, and students practice the several kinds of subjects until the work required can be performed with facility in a reasonable time. The school reserves the right to retain at least one specimen of every student's work in each class.

# FEES

Regular day Class, $60 a year of eight months, or $10 a month.

Regular Evening Class, $12 a year of 6 months, or $2.50 a month.

Regular Saturday Class, $10 a year of six months, or $2 a month.

Fees for special or partial courses must be arranged with the Registrar.

The fee for one morning or afternoon a week for the season of 8 months is $10.00; for one day a week for the season, $15.00, or $3.00 a month.

All fees are payable in advance, and *money once paid will in no case be refunded,* except by special action of the committee, in case of serious illness.

Graduates returning to the school for further study may have their fees remitted in consideration of services rendered by assisting in teaching, or by the execution of work for purposes of demonstration.

# PRIZES

In addition to Special Prizes, a considerable number of which are offered to the students from time to time, the following Prizes are regularly awarded at the close of each school year. All works receiving prizes become the property of the school.

*Frederic Graff Prize*—$20, for architectural design, competed for by students of the evening class alone.

*Henry Perry Leland Memorial Prize*—$25, offered by Mrs. John Harrison for the best work in illustration.

*Associate Committee of Women's First Prize* (the Elizabeth Duane Gillespie Prize)—$20, awarded by the Associate Committee of Women for the best work in the course of Industrial Drawing.

*Associate Committee of Women's Second and Third Prizes,* $10 each, offered by the same committee for work in Original Design.

*Emma S. Crozer Prizes*—$20 for best work in Drawing, and $20 for best work in Modeling.

*Mrs. Jones Wister Prize*—$15, awarded in such manner and for such work as shall be determined by the Principal.

*Caroline Axford Magee Prize*—$20, offered by Miss Fannie S. Magee for such work as may be determined by the jury of awards.

*Pooley Furniture Company Prize*—$20, offered by the Pooley Furniture Company, for the best executed original design for furniture in a given style.

*W. Henry Dewar Prize*—$20, offered by Mr. W. H. Dewar, for an original design for the decoration of a room, in a given style.

*Weber Prize*—Drawing Table, offered by F. Weber & Co. for the best work in Instrumental Drawing.

*Girl's Industrial Art League Prize*—$10 for the best finished article made from a design by a student member of the League.

*G. Gerald Evans Prize*—$10, offered by Mr. G. Gerald Evans, for a piece of cabinet work meritorious in design and execution.

*Mrs. Thomas Roberts Prize*—$20 is offered annually by Mrs. Thomas Roberts, to be awarded at the discretion of the Principal.

*Herbert D. Allman Prizes*—Prize of $10, offered by Mr. H. D. Allman, of the Advisory Committee, for the best design for wall-paper. Prize of $10, for the surface design having the best effect of contrasted color harmony.

*John Harrison Memorial Prize*—$15, offered by Mrs. John Harrison, for a piece of carved furniture.

*Emily Leland Harrison Prize*—$10, offered by Mrs. John Harrison, for work in wrought iron.

*Mrs. Joseph F. Sinnott Prize*—$10 offered by Mrs. Joseph F. Sinnott for the best original garden vase executed in cement.

*Mrs. Francis Forbes Milne Prize*—$10, offered for original design in book-binding.

*Miss Nina Lea Prize*—$20, offered for the best work in water-color painting.

*Prize Scholarships*—Five prize scholarships, on the Joseph F. Temple Foundation, for the ensuing year, are awarded annually at the Commencement Exercises, to students of the School on the basis of their records, and

in addition, six Memorial Prize Scholarships are awarded annually by the Alumni Association of the School of Industrial Art, to Associate Members, for a term of one year, for advanced study in the School, as follows:

*The Charles Godfrey Leland Scholarship*—Founded by Mrs. John Harrison.

*The M. Theresa Keehmlé Scholarship* and *The Aspasia Eckert Ramborger Scholarship*—Founded by Mr. William Keehmlé Ramborger.

*The Edward Tonkin Dobbins Scholarships* (3)—Founded by Miss Mary A. Dobbins.

# A Partial List of Former Students of the School with their Occupations.

*Students are asked to aid the Director in correcting and extending this list.*

*For a corresponding list of former pupils of the Textile classes, see circular of that Department.*

## ARCHITECTS AND ARCHITECTURAL DRAUGHTSMEN

BARRETTO, CARLOS.....Philadelphia
BASSETT, GEORGE C.....Philadelphia
BENCKER, G. B.....Philadelphia
BENCKER, RALPH B.....Philadelphia
BERZNER, A.....Philadelphia
BETELLE, J. OSCAR.....Philadelphia
BICKEL, C.....Philadelphia
BISHOP, A. C.....Philadelphia
BISSEGGER, J. J.....Philadelphia
BISSELL, E. P.....Philadelphia
BISWANGER, C. T.....Philadelphia
BRINKWORTH, W. B.....Philadelphia
CAIRN, W. BROOKS.....Philadelphia
CALVERT, LOUIS.....Philadelphia
CASNER, C. A.....Philadelphia
CHURCHMAN, C. W.....London, England
CONEYS, JOHN.....Philadelphia
CONWAY, W. L.....Philadelphia
CUSTER, W. L. .....Philadelphia
DE MOLL, C.....Philadelphia
DINGEE, JOSEPH T.....Philadelphia
DONOLINE, J. M.....Philadelphia
DUNLAP, A.....Philadelphia
EDMUNDS, F. D.....Philadelphia
ETTER, H. B.....Philadelphia
FETTEROLF, EDWIN H.....Philadelphia
FEUSTMANN, MAURICE M.....Philadelphia
FRY, J. W. B.....Philadelphia
GETZ, PETER F.....Philadelphia
GRATER, URSINUS.....Norristown, Pa.
HARRIS, C.....Philadelphia
HAYS, FRANK A.....Philadelphia
HIGGINS, JOSEPH R.....Philadelphia
HINDERMAN, CARL.....Philadelphia
HOOVER, IRA W.....Toledo, Ohio
IRWIN, H.....Philadelphia
JAMIESON, J. P.....Philadelphia
KLAUDER, CHARLES.....Philadelphia
KLINGES, I. P.....Philadelphia
LEHMAN, WILLIAM.....Philadelphia
LONG, ALBERT T.....Washington, D. C.
MacKELLAR, R.....Red Bank, N. J.
MARTIN, FRANK.....Philadelphia
MAYO, WALTER.....Philadelphia
McCONAGHY, CAROLINE.....Philadelphia

McILVAIN, CORNELIUS.....Philadelphia
MOLITOR, JOHN.....Philadelphia
MORGAN, T. S.....Philadelphia
MURRAY, L. WALTER.....Portland, Ore.
OSLEN, R. L.....Philadelphia
PARKER, CHARLES.....Philadelphia
PHELAN, J. V.....Philadelphia
POWERS, E. S.....Woodbury, N. J.
PRENTZEL, D. A.....Philadelphia
PRICE, WALTER F.....Philadelphia
REEVE, R. M.....Philadelphia
RING, J.....Philadelphia
RITTER, F. J.....Philadelphia
RUSS, C. F.....Philadelphia
SCHINOMMYER, W. G.....Philadelphia
SEELER, EDGAR V.....Philadelphia
SHAEF, CHARLES.....Philadelphia
SHEFFLER, J. F.....Reading, Pa.
SHEPHERD, J. G.....Philadelphia
SIMON, GRANT.....Philadelphia
SMITH, WALTER BELL.....Philadelphia
SMITH, W. J.....New York
STEHLE, C.....Philadelphia
STRATTON, RICHARD.....Philadelphia
TALUM, H.....Philadelphia
WALTON, H. L.....Philadelphia
WALTON, W.....Philadelphia
WHITE, RALPH E.....Philadelphia
WINTER, R. C.....Philadelphia
YARDLEY, E. H.....Philadelphia
YOCUM, STANLEY.....Philadelphia
ZEIGLER, CHAS. A.....Riverside, N. J.

## BOOKBINDERS

FAUNS, B. P.....Philadelphia
GUILFORD, ELIZABETH.....Philadelphia
MAROT, ELIZABETH.....Philadelphia
ST. JOHN, AGNES.....Boston, Mass.
CUSTER, MARGARET M.....Norristown, Pa.

## BUILDERS

REEVES, HENRY.....Philadelphia

## CABINET MAKERS

HENNIG, CHARLES.....Philadelphia
HEMSING, WILLIAM S.....Souderton, Pa.
HUTH, J. C.....Philadelphia
NETZLEY, J. C.....Ephrata, Pa.
THEIS, C. W.....Philadelphia

## CARVERS (IVORY)

BACHMAN, H. E.....Philadelphia

## CARVERS (STONE)

CARLSON, F.....Philadelphia
COOPER, E.....Philadelphia
FRASER, DONALD.....Philadelphia
KOESTER, LOUIS.....Philadelphia
PATTERSON, GEORGE.....Philadelphia
WALMSLEY, J.....Philadelphia

## CARVERS (WOOD)

BANNER, EDWARD.....Philadelphia
BAUER, CHARLES J.....Philadelphia
DALMASSE, ROMAINE.....Philadelphia
DEMIAN, J.....Philadelphia
DENI, FRANK.....Philadelphia
DENTZEL, W.....Philadelphia
FRANKE, CHARLES.....Philadelphia
KAUFMAN, J.....Philadelphia
LUTZ, C. A.....Philadelphia
MENSCH, WILLIAM.....Philadelphia
MORWITZ, ARNO, with Pooley Furniture Co.....Philadelphia
REMMLEIN, J., with J. Maen.....Philadelphia
RUCKES, GEORGE.....Philadelphia
RUPPEL, F. C.....Philadelphia
SEGAL, I.....Philadelphia
STERN, F. B.....Philadelphia
SCHOCH, J. E.....Camden, N. J.
VECCHIOLLI, DONATO.....Philadelphia
WUMSEH, W.....Philadelphia

## FURNITURE MAKERS

BARBER, JOHN.....Philadelphia
BARBER, J. BURTON.....Philadelphia
DEWAR, W. H., with Pooley Furniture Co.....Philadelphia
EVANS, G. GERALD.....Philadelphia
GOLZ, JULIUS, with Karcher & Rehn.....Philadelphia
HENSHELL, FRED., with Hale & Kilburn.....Philadelphia
HOLT, WILLIAM, with Berkey, Gay & Co.....Grand Rapids, Mich.
FAVA, ANGELO, with Karcher & Rehn.....Philadelphia
KRAUSE, LOUIS.....Philadelphia
McDEVITT, RALPH, with Lincoln Furniture Co.....Philadelphia
MERTZ, O. E., with Pooley & Co.....Philadelphia
MERVINE, CLAUDE B., with Joseph Horne Co.....Pittsburgh, Pa.
MERCER, W. HARRY.....Philadelphia
NONNEMAKER, JAY, with Berkey & Gay.....Grand Rapids, Mich.
ROBERTS, W. S., with Hartmann & Co.....Philadelphia
SMITH, OSCAR L.....Philadelphia
SMYSER, D. H., with Van Sciver Co.....Camden, N. J.
WOLTER, HERMAN, with Karcher & Rehn Co.....Philadelphia

## UPHOLSTERERS

KLOTZ, GEO. A.....Philadelphia
RAMSDEN, J. V.....Philadelphia
RITTER, W. L.....Philadelphia

## INTERIOR DECORATORS

ADOLPHE, ALBERT JEAN, with Carlyle & Joy.....Philadelphia
BARRELL, F. W.....Philadelphia
BARTHMAIER, H. C.....Philadelphia
BENNER, C. A.....Philadelphia
BURYHOF, CHARLES.....Philadelphia
CAVE, HERBERT E., of Chas. J. Benson & Co.....Baltimore
CHEW, WALTER G., with Strawbridge & Clothier.....Philadelphia
CHEW, WALTER A., with Gimbel Bros.....Philadelphia
CLARK, A. W., with John Wanamaker.....Philadelphia
CRAIGHILL, S. PRESTON.....New York
D'ASCENZO, NICOLA.....Philadelphia
DEKER, JOSEPH, with Chapman Decorative Co.....Philadelphia
DEAN, COLIN, with Darlington Co.....Philadelphia
ECOB, FRANCES H.....Philadelphia
ELY, DONALD H., with Marshall Field & Co.....Chicago, Ill.
FEATHERSTONE, FLORENCE C.....Philadelphia
FISHER, EDITH.....Pittsburgh, Pa.
GERBER, FRED.....Philadelphia
GUGERT, GEORGE L.....Wayne, Pa.
HADLEY, PAUL.....Chicago, Ill.
HAMILTON, WILLIAM.....Pasadena, Cal.
HEMPHILL, REBECCA, with Campbell & Co.....Philadelphia
INSKIP, WILLIAM.....Buffalo, N. Y.
JOUNCE, WALTER.....Philadelphia
KAUFMANN, W.....Philadelphia
KEIRE, HENRY, with G. Gerald Evans.....Philadelphia
KEYSER, LEON.....Philadelphia
KIER, LYNTON H.....Philadelphia
KIRK, EDITH C.....Philadelphia
KNOWLES, W. IRVING, with John Wanamaker.....Philadelphia
KNOX, LENA.....Pittsburgh, Pa.
LICHTEN, FRANCES, with Kier & Kier.....Philadelphia
LITTLEFIELD, SPENCER, with Gimbel Bros.....Philadelphia
MacCARTNEY, FRANCIS, with Snellenburg Co.....Philadelphia
MacGREGOR, N.....Philadelphia
MAESTRANGELO, L., with D'Ascenzo Co.....Philadelphia
MATHER, WILLIAM W., with Gimbel Bros.....Philadelphia
MELCHER, GEORGE.....Pasadena, Cal.
McCARTER, WILLIAM, Jr.....Philadelphia
METZ, WILLIAM T.....Philadelphia
NASH, CARL E.....Pasadena, Cal.
NELSON, JOHN JOSEPH.....Philadelphia
NORAK, JOSEPH.....Philadelphia
ORWIG, HENRY M., with John Wanamaker.....New York
PAREDES, GREGORIO.....Manila, Philippines
PRATT, PHILIP H., with D'Ascenzo Co.....Philadelphia
PRICHARD, E. S., with Karcher & Rehn Co.....Philadelphia
PULLANZ, J.....Philadelphia
RIEGER, H. E., with Sutton & Nelson.....Philadelphia
RINDSKOFF, ALEXANDER C.....New York
SHADLE, ANNA E.....York, Pa.
SHERIDAN, MARK.....Los Angeles, Cal.
SHERRY, M. V., with Chapman Co.....Philadelphia
SHISLER, A. F., with D'Ascenzo Co.....Philadelphia

SIMA, FRANK A., with F. Sima & Son.....Philadelphia
SPRENKLE, ARTHUR G., with Dewar, Clinton & Alexander Co., Pittsburgh, Pa.
STEVENS, THOMAS GEORGE.....Philadelphia
STOUT, A. H.....Philadelphia
SUTTON, DANIEL EVERETT.....Philadelphia
TAWS, LOUIS J., with Strawbridge & Clothier.....Philadelphia
TEUPE, F. W., with Gimbel Bros.....Philadelphia
WOLTERS, R.....Philadelphia
WALTON, F., Jr.....Philadelphia
WATERMAN, ANNA M.....Philadelphia
WEHNER, TONY.....Philadelphia
WENCK, CHARLES S., with Shepard Norwell & Co.....Boston, Mass.
WHITEHEAD, CHARLES V.....Philadelphia
WILLIS, CHARLES, with MacGregor & Sons.....Philadelphia
WOOD, ELIZABETH.....Philadelphia
ZIEGER, W. L., with Gimbel Bros.....Philadelphia

## DECORATIVE PAINTERS AND DESIGNERS

BATES, AURA A.....Philadelphia
BAXTER, REBA.....Philadelphia
BICKLE, HELEN A.....Philadelphia
DANTZIG, M.....New York
CUMMINGS, HELEN N.....Washington, D. C.
EDWARDS, WILLIAM M.....Philadelphia
GRIM, W.....Philadelphia
HUNTINGDON, MRS. ANNA W.....Philadelphia
JONES, EDITH G.....Philadelphia
KELLY, LAURA.....Philadelphia
MEHALCK, S. T.....Philadelphia
NEWMAN, W. MAUD.....Philadelphia
NICHUALS, B. ASHMEAD.....Philadelphia
PADULA, L., with Karcher & Rehn.....Philadelphia
PETCH, ADELE.....Philadelphia
PLATT, MARIE S.....Nantucket, Mass.
SAUER, JESSIE E. B.....Shelburne Falls, Mass.
TRUEBLOOD, SARAH E.....Philadelphia
SMITH, EDITH.....Philadelphia
VAN GELDER, PETER.....Philadelphia
WARGA, ERNEST.....Philadelphia
WILLIAMS, JOHN.....New York

## DECORATIVE SIGN PAINTERS

BLANKOFF, E. .....Philadelphia
FEELEY, MORRIS.....Philadelphia
HAMMERLE, CARL.....Philadelphia
HERZBERG, CHARLES.....Philadelphia
JACKSON, A. WARE.....Harrison, Ark.
McLAUGHLIN, O.....Philadelphia
MEAGHER, W. J.....Philadelphia
THUME, R.....Philadelphia
WOODWARD, FRANK.....Cleveland, Ohio

## CHINA DECORATORS

COBDEN, MRS. NELLIE C.....Philadelphia
COCHRAN, MRS. W. J.....Philadelphia
TRIPLER, LOUISE.....Philadelphia
ROEBECK, ELIZABETH.....Bethlehem, Pa.
CANNON, FLORENCE V.....Camden, N. J.

## DESIGNERS (BANK NOTE)

DAVIS, W. S., with Security Bank Note Co.....Philadelphia
THOMA, CORALLIE B., with American Bank Note Co...Philadelphia

## DESIGNERS (BOOK COVERS)

DEES, H. P., with Elliot & Co.....Philadelphia

## DESIGNERS (CARPETS)

BAKER, RAYMOND.....Philadelphia
CHALFIN, J.....Philadelphia
CLOSKEY, H. M.....Philadelphia
DAVISON, W.....Philadelphia
DIEZ, JOHN.....Philadelphia
FROMUTH, AUGUST.....Philadelphia
GEIGER, NELSON T., with Stinson Bros.....Philadelphia
GILLIARD, CHARLES S., with Schofield, Mason & Co...Philadelphia
GOODWIN, HOWARD R., with Stinson Bros.....Philadelphia
HAWKINS, A. J.....Philadelphia
JARVIS, OWEN.....Philadelphia
KOMMER, JOHN T.....Philadelphia
MAY, ANNA K., with Ivins, Dietz & Magee.....Philadelphia
SHULTZ, LOUIS, with Stinson Bros.....Philadelphia
STEIGER, W., with Schofield, Mason & Co.....Philadelphia
TEMME, J.....Philadelphia
VICKERS, D. P., with Overbrook Co.....Philadelphia
WEBER, HARRY, with Barnes & Beyer.....Philadelphia
WILLIAMS, N. W., with Schofield, Mason & Co.....Philadelphia

## DESIGNERS (COSTUMES)

CAVE, EDNA.....Philadelphia
CROOK, GERTRUDE M.....Philadelphia
HARTSON, SARAH R.....Philadelphia
HOWARD, MRS. N. C.....Danville, Va.
THOMA, CORALLIE P. B.....New York
WINTERS, ROSENE.....New York

## DESIGNERS (EMBROIDERY)

APPLEGATE, JACOB, with Gimbel Bros.....Philadelphia
BRANIN, SUSIE E.....Philadelphia
CLEGG, FLORENCE M., with Phila. Embr. Co.....Philadelphia
COHEN, HATTIE.....Philadelphia
DE CARLO, JENNIE.....Philadelphia
EAGAN, MARY C.....Philadelphia
HANSELL, MARGARET A., with Hohenstadt & Co.....Philadelphia
HELMBOLD, LILLIE M., with Strawbridge & Clothier..Philadelphia
HOBBS, ANNA F., with Phila. Sc. of Art Needlework....Philadelphia
LLOYD, ELEANOR.....Philadelphia

LONG, ISABEL, with Smith, Ramsay Co.....Philadelphia
MARSHALL, GEORGE W.....Philadelphia
PADGETT, ANNA L.....Bethlehem, Pa.
PRETTYMAN, JEAN.....Philadelphia
ROBERTS, DORA S., Phila. Embroidery Co.....Philadelphia
SCHRAUM, ALICE.....Philadelphia
STEVENSON, MARIE E.....Philadelphia

## DESIGNERS (GAS FIXTURES, ETC.)

BILSON, C. R.....Philadelphia
FLORIOT, E. C., with Horn & Brannen.....Philadelphia
KLEIN, MAX, with Enon Co.....New York
KORNBAU, KENNARD J., with De Kosenke & Co.....Philadelphia
KRAYER, J. FREDERICK, Supt. Mfg. Dept., Gibson Co..Philadelphia
McKEIAGE, R.....Philadelphia
MITCHELL, EDW. P., with Cornelius & Rowland.....Philadelphia
REYNOLDS, VINCENT.....Philadelphia
THALEG, OSCAR.....Philadelphia
WASHINGTON, ELIZABETH F., with Lippincott Soda Fountain Co., Philadelphia
WOLTERS, HERMAN.....Cleveland, Ohio
YARDLEY, HORACE.....Boston, Mass.

## GENERAL DESIGNERS

BATES, WILLIAM H.....Philadelphia
BOWMAN, C. H.....Philadelphia
CARROLL, BENJAMIN.....Philadelphia
CONNER, B. T.....Philadelphia
DANNERTH, C. A.....Philadelphia
DE ARMOND, F. L.....Philadelphia
EUGET, J. M.....Philadelphia
GENTSCH, M. F.....Philadelphia
HOTTINGER, M. A.....Philadelphia
HUTTON, F. B.....Philadelphia
KANE, H. J.....Doylestown, Pa.
KELLY, JOHN.....Philadelphia
KUTCHERA, H.....Philadelphia
LANG, WILLIAM.....Philadelphia
LAWSON, DAVID.....Philadelphia
LUDELL, HAROLD.....Philadelphia
LEDERMAN, J. M.....Philadelphia
MARTIN, WILLIAM S.....Philadelphia
MELLON, WILLIAM S.....Philadelphia
OBERLANDER, ROBERT S.....Philadelphia
O'BRIEN, F.....Philadelphia
OFFENHAUER, W.....Philadelphia
OGIER, VICTOR.....Philadelphia
OTT, FREDERICK, with Renfrew Mfg. Co.....Adams, Mass.
PRICHARD, S.....Philadelphia
PUGH, GEO. W.....Philadelphia
RODENBOCH, F.....Philadelphia
SAVOURNIN, B. H.....Philadelphia
SEITZER, G. A.....Philadelphia
SICKELS, W. H.....Philadelphia

SHIELS, THOMAS.....Philadelphia
SHINLE, JOHN.....Philadelphia
SNYDER, A. F.....Philadelphia
STECK, E. A.....Philadelphia
STOERTZ, A.....Philadelphia
YUNDT, CHARLES.....Philadelphia

## DESIGNERS (JEWELRY)

DONNELLY, J. F.....Philadelphia
EBERT, WILLIAM.....Philadelphia
KIEHL, NETTIE E., with Keystone Watch Case Co.....Philadelphia
McARTHUR, J. E.....Philadelphia
POLLARD, H.....Philadelphia
SCHNAUFFER, WILLIAM.....Philadelphia
SMITH, WALTER, with Simons Bros.....Philadelphia
SODERLAND, B. I.....Philadelphia
STRAUGHAN, EVELYN G.....
WURTZ, ANNA.....Philadelphia

## DESIGNERS (LACE CURTAINS)

ANDERSON, FLORENCE.....Philadelphia
ASHWORTH, HANDEL.....Philadelphia
BAER, ARTHUR.....Philadelphia
BICKEL, A. CLIFTON.....Philadelphia
BRAID, MAY.....Philadelphia
BRODHEAD, H. J.....Philadelphia
CARMAN MILTON.....Philadelphia
GECKLER, VIOLA M.....Philadelphia
GOLL, J.....Philadelphia
HARDY, H. W.....Philadelphia
HERMANN, F. F.....Philadelphia
HUFF, CHARLES D.....Philadelphia
INMAN, R. B.....Philadelphia
KIRMSE, F.....Philadelphia
McGINLEY, J. W., Jr.....Philadelphia
PETZOLD, A.....Philadelphia
ROSMER, W. J.....Philadelphia
SCHNITZLER, W. G.....Philadelphia
SIEGFRIED, R.....Philadelphia
SIMPSON, J. M.....Philadelphia
STEVENSON, G. A.....Philadelphia
ZOTHE, W. R.....Philadelphia

## DESIGNERS (MILLINERY)

FURMAN, MARGARET D. H.....Philadelphia
LUTZ, ELLA.....New York

## DESIGNERS (MUSIC COVER)

DEWEY, ALFRED.....New York
KULLING, NELLIE A.....Philadelphia

## DESIGNERS (OILCLOTH & LINOLEUM)

BOWER, A. L., with Potter & Co.....Philadelphia
SEVERNS, A. LINCOLN, with Farr & Bailey.....Camden, N. J.

## DESIGNERS AND DECORATORS OF POTTERY

BERG, KATE DE W.....Philadelphia
BRINTON, ANNE H.....Philadelphia
HEACOCK, R. A.....Philadelphia
HINDS, J. DONALD.....Trenton, N. J.
MORRIS, FRANK.....Trenton, N. J.
TEMPLE, CELIA.....Oyster Bay, N. Y.
THUMLERT, ADALINE M.....Philadelphia
URBAN, GRACE L.....Royersford, Pa.

## DESIGNERS (PRINTED STUFFS)

LE FORTE, H. B., Silks.....New York
TWINING, EMMA L., Shirtings.....Philadelphia

## DESIGNERS (RUGS)

FOX, JACOB R.....Philadelphia
GLEDHILL, D. F.....Philadelphia
GOODWIN, HOWARD, with Stimson & Co.....Philadelphia
KNOX, A., with Bromley & Co.....Philadelphia
LEUPOLD, HARRY .....Philadelphia
RICE, WILLARD M., with Bromley & Co.....Philadelphia
WILKINSON, H. M.....Philadelphia

## STAINED GLASS MANUFACTURERS AND DESIGNERS

ALWORTH, GERTRUDE B., with H. J. Smith & Sons..Philadelphia
BROWNE, F. W., with D'Ascenzo Co.....Philadelphia
DORIOT, JULES, with Decorative Glass Co.....Philadelphia
HALLECK, P. P.....Pittsburgh, Pa.
HAWKINS, E. R.....Philadelphia
HERBERT, MILTON PAUL, with Dukes Co.....Philadelphia
HOFFMAN, W. E.....Philadelphia
HOLT, MARIA L.....Los Angeles, Cal.
KEELER, R. B., with D'Ascenzo Co.....Philadelphia
LAIBLE, F.....Philadelphia
PERDUE, BERTHA G.....Philadelphia
PIERRO, JOSEPH, with D'Ascenzo Co.....Philadelphia
REITH, F., with Reith & Son.....Philadelphia
STANBIO, ANNA WAGNER.....Memphis, Tenn.
SWEENEY, FRANCES DARBY, Prop., Decorative Glass Co., Phila.
WIEDER, FRANK, with Decorative Glass Co.....Philadelphia
YUNDT, CARL.....Philadelphia

## STATIONERY DESIGNERS

BUCK, WINIFRED.....New York
GREMSON, W. E., with E. A. Wright.....Philadelphia
HOTTINGER, W., with Elliott & Co.....Philadelphia
JOHNS, HELEN, with Bailey, Banks & Biddle.....Philadelphia
JENNETT, HERBERT H., with Dreka & Co.....Philadelphia
KUTZ, ELDA.....Philadelphia
McCOY, M. LOUISE, with Bailey, Banks & Biddle.....Philadelphia
PULLMAN, C. W., with Dreka & Co.....Philadelphia
SELTZER, G. ALLEN.....Philadelphia
WOLFERSBERGER, RENA, with Dreka & Co.....Philadelphia

## TILE AND MOSAIC DESIGNERS

HINDS, STEWART C.....Trenton, N. J.
MENEGHETTI, GUSTAVO.....Philadelphia
MUELLER, WILLIAM.....Trenton, N. J.

## UPHOLSTERY DESIGNERS

DREYFUS, CARRIE.....Philadelphia
MAYER, W. B., with Moss Rose Mfg. Co.....Philadelphia
SCHNELL, WILLIAM.....Philadelphia
SIEGFIELD, H.....Philadelphia
SIMONS, F. W.....Philadelphia

## WALL PAPER DESIGNERS

BLACK, W. A., with Carey Bros.....Philadelphia
McAVOY, GERTRUDE, York Card and Wall-paper Co.....York, Pa.
RAU, R.....Philadelphia
SEEBURGER, H.....Philadelphia
SHAY, H. P.....Philadelphia
WALENTA, E. J., JR.....Philadelphia

## COLORISTS

BITTENBINDER, FRANK S.....Philadelphia
EDDY, MABEL, with Barrie & Co.....Philadelphia
FRANCIS, W. T., with James Bradford Paint Mfg. Co..Wilmington, Del.
GAMON, ANNE PATTERSON.....Philadelphia
LICHTEN, FRANCIS, with H. H. Battles.....Philadelphia
PARK, ALEXANDER.....Philadelphia
STANLEY, LOUISE TUTTLE.....Philadelphia
VAN FOSSEN, EDITH B.....Philadelphia
CARPENTER, MORLEY K., with Andrey Kovicy & Dunk, Philadelphia

## ILLUSTRATORS (BOOK AND PERIODICAL)

BAYHA, EDWIN F.....Philadelphia
BONSALL, MARY W.....Philadelphia
BAILEY, VERNON HOWE.....New York
BRUNNER, F. S., Curtis Publishing Co.....Philadelphia
EVERETT, WALTER HUNT.....Philadelphia
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HARK, GERTRUDE S.....Wyncote, Pa.
KENAN, OPHELIA.....Philadelphia
NEWTON, RUTH E.....Philadelphia
PENNELL, JOSEPH.....London, England
PRICE, MARY L.....Philadelphia
SAUERWEIN, FRANK P.....Pasadena, Cal.
SAUNDERS, ELIZABETH HALLOWELL.....Los Angeles, Cal.
SEAL, ETHEL DAVIS, Dodge Publishing Co.....New York
SLEAR, ELIAS.....New York
STREATOR, SIDNEY V.....Chicago
THATCHER, EARL, Harper & Bro.....New York
WATSON, AGNES M.....Philadelphia
YARNALL, ELIZABETH.....Philadelphia

## ILLUSTRATORS (FASHION JOURNALS AND PAPERS)

PARRY, ANNA W., with Strawbridge & Clothier.....Philadelphia
RICE, ANNA, with the *North American*.....Philadelphia
SNYDER, EDITH B., with Gatchel & Manning.....Philadelphia
SNYDER, JEAN, with Strawbridge & Clothier.....Philadelphia
STERN, LENA, with Gimbel Bros.....Philadelphia
TROUT, CECIL W., with the *Press*.....Philadelphia
WETHERALD, JEANETTE, with the *Inquirer*.....Philadelphia

## ILLUSTRATORS (GENERAL COMMERCIAL)

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BARLOW, NINA.....Philadelphia
BECK, R. K.....New York
BLUMENTHAL, M. LAWRENCE.....Philadelphia
BOOTH, T. E., with Powers & Armstrong.....Philadelphia
BOYER, LYNN H.....Philadelphia
BURTON, ALFRED, with Curtis Publishing Co.....Philadelphia
BURTON, JOHN.....Columbus, Ohio
CLEMENT, W. N.....Philadelphia
DAVIS, A. C.....Bedford, Pa.
DAVIS, W. S.....Philadelphia
DEAN, F. EARNEST.....Cleveland, Ohio
DE BARTHE, with Elliott & Co.....Philadelphia
DESCH, FRANK H.....Philadelphia
DOLPHIN, J. C.....Portland, Ore.
DOWLING, T. JOSEPH.....Philadelphia
EASTON, SPENCER, with Wolf & Co.....Philadelphia
ENGARD, JESSIE M., with Strawbridge & Clothier.....Philadelphia
FEINBERG, J.....Philadelphia
FREDERICK, FLORENCE, with Gatchel & Manning....Philadelphia
GEIBEL, CASIMIR J.....Philadelphia
GOODWIN, WALTER.....Philadelphia
HAINES, W. LINFORD.....Philadelphia
HALLOWAY, E.....Philadelphia
HART, C. F.....Philadelphia
HAWLEY, E. H.....Philadelphia
HENKELS, CHARLES J.....Philadelphia
HENNING, LUDWIG.....Johnstown, Pa.
HUMPHREYS, LAURA C.....Philadelphia
HUTTINGER, W.....Philadelphia
JACOBS, ISABEL.....Philadelphia
JOHNSON, MARGARET P., with F. A. Davis Publishing Co., Philadelphia
KASSEL, PHILIP.....Philadelphia
KEENAN, JOHN M., with Beck & Co.....Philadelphia
KAUFFMAN, ELLA P.....Pittsburgh, Pa.
KELMAN, BENJAMIN.....Philadelphia
KELSER, JOHN.....Philadelphia
KEYSER, WILLIAM.....Philadelphia
KEYSER, HOWARD J.....Philadelphia
KRAEMER, G.....Philadelphia
LACHENMEYER, PAUL, with Curtis Publishing Co.....Philadelphia
LA ROSSEE, H. L.....Philadelphia
LEDERMAN, H.....Philadelphia

LEOPOLD, L. R. ..... Philadelphia
LIPMAN, W. ..... Buffalo, N. Y.
LUTZ, EDWIN G. ..... New York
MEGARY, RAYMOND, with Curtis Publishing Co. ..... Philadelphia
MOHR, WILLIAM ..... Philadelphia
NORTENHEIM, MRS. GRACE HAMMOND ..... Philadelphia
NORTENHEIM, W. S. ..... Philadelphia
PRETTIE, EDWIN J. ..... Philadelphia
ROHLAND, A. ..... Philadelphia
RUBY, EDNA B. ..... Chicago, Ill.
SCHRIVER, MORRIS ..... Philadelphia
SCHLESINGER, ALFRED R. ..... New York
SHEAFER, WILLIAM ..... New York
STUVEN, R. ..... Philadelphia
SUSAN, ROBERT ..... Philadelphia
TEDLIE, H. E. ..... Philadelphia
TOMPKINS, THOMAS, with Ware Bros. ..... Philadelphia
WALTERS, RAYMOND ..... New York
WELSH, H. D. ..... Philadelphia
WHEELER, W. J. ..... Philadelphia
WHITELEY, LILIAN D. ..... Chicago, Ill.
WHYTE, I. H. ..... Philadelphia
WILSON, PLINY J. ..... Pittsburgh, Pa.
WOLF, G. L. ..... Philadelphia
ZWICK, W. A. ..... Philadelphia

## ILLUSTRATORS (NEWSPAPER)

ANDERSON, CARL T., the *Journal* ..... New York
CORKHILL, ROBERT ..... New York
DALE, B. F., the *North American* ..... Philadelphia
D'EMO, LEON, the *Delineator* ..... New York
EMERSON, C., the *Ledger* ..... Philadelphia
GRAEBER, J., the *North American* ..... Philadelphia
GRANT, GEORGE A., *The Examiner* ..... Los Angeles, Cal.
HANLON, L., the *North American* ..... Philadelphia
HOBAN, W. C., the *North American* ..... Philadelphia
JANKE, H., the *Press* ..... Philadelphia
KELLER, C. K., the *Press* ..... Philadelphia
LIPMAN, M. J., the *Inquirer* ..... Philadelphia
MACONATHY, JEAN, the *Inquirer* ..... Philadelphia
MORAN, CHARLES, the *Inquirer* ..... Philadelphia
MURRAY, J. ..... Philadelphia
NAKPIL, RAYMOND, the *Press* ..... Philadelphia
NEWMAN, GEORGE, the *Ledger* ..... Philadelphia
NEWMAN, HOWARD, the *Ledger* ..... Philadelphia
PENFIELD, GEORGE W., the *Journal* ..... New York
REINBOLD, GEORGE, *"Grit"* ..... Williamsport, Pa.
ROLLER, W. A., the *North American* ..... Philadelphia
ROWE, C. H. ..... New York
SCOT, WALTER, the *Inquirer* ..... Philadelphia
STORY, BENJAMIN, JR., the *Press* ..... Philadelphia
SWOBODA, HARRY, the *Record* ..... Philadelphia
WALGREN, A., the *North American* ..... Philadelphia

## ENGRAVERS (COPPER PLATE)

BLOECKER, CHAS. J. ..... Chicago, Ill.
DIEHL, J. W. ..... Philadelphia
EISSLER, JOHN ..... Philadelphia
ENENBACH, J. ..... Philadelphia
KARULIN, LOUIS ..... Philadelphia
LAW, FRANK ..... Philadelphia
MOTTERAM, W. C. ..... Philadelphia
O'NEILL, S. H. ..... Philadelphia
OVINGTON, H. W. ..... Philadelphia
PABST, GEO. ..... Philadelphia
REIDER, A. S. ..... Philadelphia

## ENGRAVERS (STEEL)

BECKER, CHARLES ..... Philadelphia
CHAPPELL, CHRISTINA ..... Philadelphia
CUBPERTSON, E. L. ..... Philadelphia
PARKHILL, DAVID C. ..... Philadelphia

## LITHOGRAPHERS AND LITHOGRAPHIC DESIGNERS

BARSEY, E. ..... Philadelphia
BOWMAN, C. H. ..... Philadelphia
FORDERER, FRANCIS B. ..... Philadelphia
FELL, PENROSE ..... Philadelphia
GROTZ, HERMAN, with Ketterlinus Co. ..... Philadelphia
KETTERER, G., with Ketterlinus Co. ..... Philadelphia
KLAW, R. F., with Ketterlinus Co. ..... Philadelphia
LUTTGEN, ANTOINETTE, with Wolf & Co. ..... Philadelphia
POTSDAMER, JAMES S. ..... Philadelphia
RICORDS, JENNIE T., with Ketterlinus Co. ..... Philadelphia
ROLLER, OSCAR F., with Ketterlinus Co. ..... Philadelphia
SMITH, J. M. ..... Philadelphia
SNYDER, A. F., with Ketterlinus Co. ..... Philadelphia
SPIEL, RUDOLPH ..... Philadelphia
TENFEL, JOSEPH ..... Philadelphia
WINCHESTER, HELEN D. ..... Philadelphia

## PHOTO ENGRAVERS

BOEHLKE, EMIL ..... Philadelphia
BUHLER, J. ..... Philadelphia
GRAY, S. ..... Philadelphia
MAGNIER, E. C. ..... Philadelphia
MARCELLUS, P. B. S., with Electro Tint Engraving Co. ..... Philadelphia
MONTALVO, J., with Chromotype Co. ..... Philadelphia
REMBOLD, GEORGE ..... Philadelphia
WEEKS, R. M. ..... Washington, D. C.
WINTTER, H. L. ..... Philadelphia
WOLF, S. L. ..... Philadelphia

## PHOTOGRAPHERS

COOK, ALLEN D. ..... Philadelphia
DOONER, W. J. ..... Philadelphia
HAESLER, FRED. C. ..... Philadelphia
PEARCE, JOSEPH N., Philadelphia *Press* ..... Philadelphia
TEUBNER, A. F. ..... Philadelphia

## PLATE PRINTERS

PETERS, R. ..... Philadelphia

## METAL WORKERS, COPPER, SILVER, ETC.

ASHCROFT, C. D.....Philadelphia
BENNETT, FRED. W.....Philadelphia
CASNETT, G. F.....Philadelphia
COLAROSSI, A. G.....Philadelphia
FISH, WILLIAM.....Philadelphia
FRYER, J. B.....Chester, Pa.
KNOFFLOCK, JULIA F.....Mansfield, Ohio
MARKLE, M.....Philadelphia
NACKE, KARL G.....Philadelphia
POIESZ, C.....Philadelphia

## IRON WORKERS

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GOTLIEB, M.....Philadelphia
GREGER, E. A.....Buffalo, N. Y.
JAEGER, W.....Philadelphia
YELLIN, SAMUEL.....Philadelphia

## DIE SINKERS AND ENGRAVERS

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FREUND, RUDOLPH.....San Francisco, Cal.
KELLY, W. H.....Philadelphia
LAU, F.....Philadelphia
PARKINSON, WALTER C.....Philadelphia
PUTNAM, WILLIAM.....Philadelphia
ROSELIKE, OTTO.....Philadelphia
SCHILLING, EMIL.....Philadelphia

## JEWELERS

DAVISON, B. F.....Philadelphia
FASS, G.....Philadelphia
LYNCH, F.....Philadelphia

## MODELERS (ARCHITECTURAL TERRA COTTA AND PLASTER)

BELOTTI, SALVADOR.....Philadelphia
FROEHLICH, M. L.....Harrisburg, Pa.
LUTZ, ERNEST.....Philadelphia
DESTELBACH, C., with New York Terra Cotta Co.....Philadelphia
FINN, JOHN C., with Stevens, Armstrong & Conkling....Philadelphia
FISKE, HELEN S.....Philadelphia
MARENZANA, EMILIO.....New York
MAYER, FRED. E.....New York
MAYER, MARY S.....New York
HOWELL, SILAS.....New York
PROFETTI, GERVINE, with N. Y. Terra Cotta Co.....Philadelphia
SIMONS, A. C.....Paris, France
WARD, THOMAS, with New York Terra Cotta Co.....Philadelphia

## MODELERS (CARVED LEATHER)

BARRON, R. F., with Busse & Co.....Philadelphia
SCHMIDTMEIR, W.....Philadelphia
TONER, JOHN, with Busse & Co.....Philadelphia
TULLY, MILES, with Busse & Co.....Philadelphia

## MODEL MAKERS

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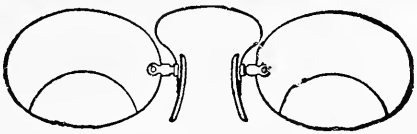

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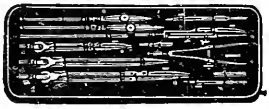

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